



# **CHEMSYNTH CORPORATION**

(Exporter of chemical Raw materials)

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## **MATERIAL SAFETY DATA SHEET**

# **OCTYLSALICYLATE**

### **1. IDENTIFICATION**

Product Description: (OCTISALATE, USP)

CAS # 118-60-5

### **2. HAZARD(S) IDENTIFICATION**

Physical hazards Not classified.

Health hazards Skin corrosion/irritation

Category 2 Environmental hazards Not classified.

Label elements Signal word Warning Hazard statement H315 Causes skin irritation.

Precautionary statement Prevention P264 Wash thoroughly after handling.

P280 Wear protective gloves.

Response P302 + P352 IF ON SKIN: Wash with plenty of water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage Store away from incompatible materials. Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known. Supplemental information None.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances	Chemical name	Common name and synonyms	CAS number	%
2-	ethylhexyl 2-hydroxybenzoate	octyl salicylate ETHYL HEXYL SALICYLATE	118-60-5	100

### **4. FIRST-AID MEASURES**

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist. Skin contact Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes. Eye contact Remove contact lenses, if present and easy to do. Get medical

attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids. Ingestion Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Most important symptoms/effects, acute and delayed Skin irritation. May cause redness and pain. Indication of immediate medical attention and special treatment needed Not available. General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam. Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire. Specific hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases. Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires. Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control. Specific methods Use water spray to cool unopened containers. General fire hazards Static charges generated by emptying package in or near flammable vapor may cause flash fire.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. The product is immiscible with water and will spread on the water surface. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of

contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

#### 7. HANDLING AND STORAGE

Precautions for safe handling Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Conditions for safe storage, including any incompatibilities Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits No exposure limits noted for ingredient(s). Biological limit values No biological exposure limits noted for the ingredient(s). Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits. Individual protection measures, such as personal protective equipment Eye/face protection Wear safety glasses with side shields (or goggles). Skin protection Hand protection Chemical resistant gloves. Other Not available. Respiratory protection Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Refer to Spec Sheet Physical state Liquid.

Form Liquid.

Color Refer to Spec Sheet Odor Characteristic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 372.2 - 374 °F (189 - 190 °C) at 21 mmHg Flash point > 200.0 °F (> 93.3 °C) Closed Cup Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available. Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure < 1 kPa at 50 °C Vapor density 8.7

Relative density Not available.

Solubility(ies) Solubility (water) Insoluble Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information Flammability class Combustible IIIB estimated Molecular formula C<sub>15</sub>H<sub>22</sub>O<sub>3</sub>

Molecular weight 250.34 g/mol

#### 10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport. Chemical stability Material is stable under normal conditions. Possibility of hazardous

reactions No dangerous reaction known under conditions of normal use. Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials. Incompatible materials Strong oxidizing agents. Hazardous decomposition products No hazardous decomposition products if stored and handled as indicated.

#### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact Causes skin irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Causes mild eye irritation.

Ingestion Expected to be a low ingestion hazard. Symptoms related to the physical, chemical and toxicological characteristics Skin irritation. May cause redness and pain.

Information on toxicological effects Acute toxicity

Product	Species	Test Results
HEXYL SALICYLATE (CAS 118-60-5)		ETHYL
LD50	Rabbit Dermal	Acute > 5000 mg/kg
LD50	Rat Oral	> 5000 mg/kg *

Estimates for product may be based on additional component data not shown. Skin corrosion/irritation Causes skin irritation. Rabbit: irritating Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation. Respiratory or skin sensitization Respiratory sensitization Not a respiratory sensitizer. Skin sensitization Humans: No sensitizing effect. @ 4 % Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### 12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Product Species Test Results ETHYL HEXYL SALICYLATE (CAS 118-60-5) Other EC50 Micro-organisms > 10000 mg/l OECD 209 / ISO 8192 Aquatic Crustacea Invertebrates (Invertebrates) 5 % \* Estimates for product may be based on additional component data not shown. Fish LC50 Zebra danio (Danio rerio) 613 mg/l OECD 203 / ISO 7346 Persistence and degradability Biodegradability: Readily biodegradable 89%/ 28 d OECD 301D Bioaccumulative potential No data available. Mobility in soil No data available. Other adverse effects EC50: > 10.000 mg/l, OECD 209 / ISO 8192

#### 13. DISPOSAL CONSIDERATIONS

Disposal instructions Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Local disposal regulations Dispose in accordance with all applicable regulations. Hazardous waste code Not established. Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied

#### 14. TRANSPORT INFORMATION

ADN Not regulated as dangerous goods.  
ADR Not regulated as dangerous goods.  
RID Not regulated as dangerous goods.  
DOT Not regulated as dangerous goods.  
BULK DOT Not regulated as dangerous goods.  
NON-BULK IATA Not regulated as dangerous goods.  
IMDG Not regulated as dangerous goods.

#### 15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed.

#### 16. OTHER INFORMATION

Health: 2 Flammability: 1 Physical hazard: 0 Disclaimer Vigon cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.